



Туре						
Туре	Video/still camera					
Image processor						
Image Sensor						
Туре	1.4 Type CMOS ser	nsor (18.4 x 12.3mm overall sensor size); no	o low-pass filter			
Effective pixels		HD, 16:9) — approx. 18.7 million pixels mum approx. 22.3 million pixels; 3:2 aspect	ratio			
Total Pixels	Approx. 23.9 megap	vixels				
Color Filter System	RGB primary color	filters				
Lens (non-interchang	geable)					
Focal Length	8.2mm – 25.6mm (v	video full-frame equivalent approx. 17–52mm	n; still equivalent 16–50mm)			
Angle of view	4K Video: 104.4 – 4 Still images: 107.0					
F-number (max. aperture)	f/2.8 – f/4.5					
Aperture range	f/2.8 – f/11 (9 aperture blades)					
Lens configuration	9 elements in 8 groups					
Aspherical elements	3 aspherical elemen	ts; two have aspherical surfaces on both sid	les of element			
Optical zoom	Yes, approx. 3.1x zo	Yes, approx. 3.1x zoom ratio				
Optical IS	Yes (approx. 5 stop	Yes (approx. 5 stops correction at center of image; based on CIPA-compliant tests)				
ND filter	Included (equivaler	Included (equivalent to 3 stops exposure reduction); activated in red Shooting Menu (video or stills)				
Protective glass	None	None				
Focusing range	WIDE: approx. 2 in./	0.05m to infinity TELE: 5.9 in. / 0.15m to in	ifinity			
Recording System	1					
Recording Format	Compliant to Design rule for Camera File system 2.0 and Exif 2.31 (supports time difference information)					
Image Format		Image Type	Extension			
		JPEG	.JPG			
		HEIF	.HIF			
	Still Photos	RAW	-			
		C-RAW	.CR3			
		Dual Pixel RAW				
	Movies	ALL-I* /IPB (Standard) / IPB (Light) * Time-lapse movie only	.MP4			

Card slot cards compatil	Image Quality L (fine) L (Normal) M (fine) M (Normal) S1 (Fine) S1 (Normal)	File Size         [Approx. MB]         7.6         4.1         4.3         2.4         2.9         1.7	Available Shots [Approx.]*1           3970           7260           7040           12240           10430
PEG*2	Quality L (fine) L (Normal) M (fine) M (Normal) S1 (Fine) S1 (Normal)	[Approx. MB] 7.6 4.1 4.3 2.4 2.9	[Approx.]*1 3970 7260 7040 12240 10430
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PEG*2	L (Normal) M (fine) M (Normal) S1 (Fine) S1 (Normal)	4.1 4.3 2.4 2.9	7260 7040 12240 10430
PEG*2	M (fine) M (Normal) S1 (Fine) S1 (Normal)	4.3 2.4 2.9	7040 12240 10430
PEG*2	M (Normal) S1 (Fine) S1 (Normal)	2.4 2.9	12240 10430
PEG*2	S1 (Fine) S1 (Normal)	2.9	10430
	S1 (Fine) S1 (Normal)	2.9	10430
	S1 (Normal)	1.7	
	· · ·		17050
	S2	1.8	16640
	L (fine)	7.2	4110
	L (Normal)	5.5	5310
	M (fine)	4.5	6420
EIF*3	M (Normal)	3.5	8060
	S1 (Fine)	3.1	9110
	S1 (Normal)	2.6	11050
	\$2	1.8	14660
0*4	RAW	23.5	1290
AW*2*4	C-RAW	11.7	2620
	RAW +	23.5 + 7.6	970
*+JPEG*2	C-RAW +	11.7 + 7.6	1580
	RAW +	25.5 + 7.2	910
*4+HEIF*3	C-RAW +	13.7 + 7.2	1430
	4+JPEG*2 4+HEIF*3	EIF*3 EIF*3 M (Normal) S1 (Fine) S1 (Normal) S2 RAW C-RAW 4+JPEG*2 C-RAW + L (fine) RAW + L (fine) C-RAW + C-RAW +	EIF*3         M (Normal)         3.5           S1 (Fine)         3.1           S1 (Normal)         2.6           S2         1.8           RAW         23.5           C-RAW         11.7           RAW +         23.5 + 7.6           L (fine)         11.7 + 7.6           RAW +         23.5 + 7.6           L (fine)         11.7 + 7.6           RAW +         25.5 + 7.2           L (fine)         13.7 + 7.2           shots for SD cards applies to 32 GB UHS-I SD cards conforming to Canon test

ovie Recording Format					
	Canon Log	0	FF	ON (Canon Log 3)	
	HDR PQ	OFF	ON	OFF	
	Container format		MP4		
	Bit depth	8 bit	10	bit	
	Compression	H.264 / MPEG-4 AVC	H.265 / HEVC		
	Video signal recording range	Full range (0-255)	Full range (0-1023)	Full range (128-1020)	
	Color sampling method	YCbCr 4:2:0	YCbC	r 4:2:2	
	Standards compliance	Rec. ITU-R BT.709	Rec. ITU-R BT.2100	_	
	Color gamut	Rec.709	Rec.2020	Rec.709 / Rec.2020 / Cinema Gamut	
	Audio		AAC / Linear PCM		

## Movie Recording format

Movie Recording Format			Aspect	Frame R	ate (fps)	Digital	Video	Audio
		Resolution	ratio	NTSC	PAL	zoom	compression format	compression format
	4K	3840 x 2160 (UHD)		29.97 23.98	25.00		IPB (Standard) IPB (Light)	AAC Linear PCM
	4K (Cropped) <sup>⁵1</sup>	3840 x 2160		59.94	50.00		IPB (Standard) IPB (Light)	AAC Linear PCM
	4K (time-lapse movies <sup>*6</sup>	(UHD)		29.97 <sup>°2</sup> 25.00 <sup>°2</sup>		ALL-I		
	Full HD High Frame Rate movies			119.88*4	100.00*4		IPB (Standard) IPB (Light)	
			$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		IPB (Standard)	AAC		
	Full HD	1920 x 1080			25.00	Approx. 1-10x <sup>*5</sup>	IPB (Light)	Linear PCM
	Full HD time- lapse movies*6			29.97 <sup>*2</sup>	25.00 <sup>*2</sup>		ALL-I	
	Creative filters*7			29.97 23.98	25.00		IPB (Standard) IPB (Light)	AAC Linear PCM
	*1: 4K 59.94 / 50 *2: Playback fram *3: No audio is re *4: Recording fra *5: Digital zoom i *6: No audio is re *7: No audio is re	ne rate. corded for Hig me rate. s available only corded for time	h Frame R y when set e-lapse mo	ate movies to Full HD ovies.		5.00, or 23.	98 fps.	

Cooling fan								
Fan	Built-in; us	er-selectable f	an activati	on settings and fa	an speeds			
Fan settings								
	Off	Cooling fan c	loes not ro	tate.				
	On			rotates at the sp	eed set in [Fan ro	tation s	peed].	
		The cooling fan automatically rotates as the camera temperature increases ([FAN] is						
	Auto		d when the	fan rotation spee camera tempera				
	* The cooling	fan may stop or n	ot rotate in a	low-temperature en	vironment, regardles	s of the [F	an] setting.	
Fan rotation speed		when [Fan: On] is		kely that the operatir	ng sound is recorded	in the mo	vie.	
Recording time								
Available continuous recording time for movies				g time from a cold e when operating				ample of
				Available	continuous reco	ording ti	me (Approx.)	
				4	Auto power off to	empera	ture	
	Movie recording quality Standard High							
	4		Fan rotation speed			Fan rotation speed		
			Off	Auto	High-speed	Off	Auto	High-speed
	-	opped) 60p	25 min.	35 min.	45 min.		-	
		К 30р	40 min.	55 min.			No	No
		Smooth skin ovie)	-	50 min.		-	restrictions due to the	restrictions due to the
	Full	HD 60p	-	No restrictions due to the overheating	No restrictions due to the overheating	-	overheating	overheating
	<ul> <li>(ambient tem, and starting u</li> <li>Accordi</li> <li>When u</li> <li>When ti</li> <li>The ava (Heat g</li> <li>When L may be</li> <li>The car or the c</li> <li>When [ burn or Also, th</li> </ul>	perature, at room se). Ing to Canon testir sing a screen, no ne ambient tempe alable continuous eneration: no con owered over USB eneration: battery ive View display of shorter. d may become ful apacity of the card Auto pwr off temp. other injury, the u	temperature ng conditions communicat rature is high recording tir nmunication b, the availab y powered < powered < or movie play Il sooner that d used. .: High] is set ser should a me hot, so th	Ily and internally) is a (23°C / 73°F)) and the when using SD mer- tion, without power or the than 23°C / 73°F, ne will be shorter where with communication le continuous record powered over USB) where the available continue the available continue the available continue the camera unit and void shooting while here the user needs to be of (cropped) 60p	ne camera use is sta nory cards conformir ver USB, and under 2 the available continu en connected via Win n) ing time will be short before recording begin uous recording time d cards may be hotte olding the camera ar	rted in that ng to Cano 23°C / 73° uous recou- reless LAP er than wh ns, the av due to the r. Since th nd instead	at condition (turnin on testing standard 'F environment. rding time will be s N. nen battery power ailable continuous e movie recording nere is a low risk o l use a tripod or si	g on the camera ds. shorter. ed. s recording time image quality of a temperature milar support.

	Microphone	Stereo microphones	
Puilt in Microphono	Sampling frequency	48 kHz	
Built-in Microphone	Bits	16 bits	_
	Channels	2 channels	
Audio Noise Reduction	3-mic noise reduction		
	Terminal	3.5 mm diameter stereo mini-jack	
External Microphone	Plug-in power	Supported*	
		n cannot be provided because plug-in reo Microphone DM-E100 is recomme	
Digital Zoom	On / Off * Only available for Full * Can be set from 1.0–1 * Can be set separately * AF area is 1-point AF * Digital zoom is not sup	0x. from optical zoom.	
Digital IS		(can be combined with lens optical Is th digital zoom or auto level.	S)
Movie Self-timer	Off 10 sec. 2 sec.		
Remote Control Recording		control via Canon Remote Controller R Remote Controller BR-E1 or Canon Ca	
Tally Lamp	* Slow blinking — remai * Rapid blinking — card * Rapid blinking — bat	luring video recording (user-selectable o ining space on SD card is low space full; maximum number of files rea tery low not illuminate during time-lapse movie	ached; or internal temperature high
White Balance			
Settings	Auto (AWB) Daylight Shade (approx. 7000K) Cloudy Tungsten White Fluorescent Flash Custom WB Color Temperature (user-s	set from 2500K~10000K, in 100K incre	ements)
White Balance Shift	Blue/amber bias: ±9 level Magenta/green bias: ±9 l * Shifted from the color temperatu		nagenta/green shift can be combined.
Autofocus			
Focus Method	Dual Pixel CMOS AF		

Focusing operation					
		Still photo shooting	movie Recording		
	AF operation	One-Shot AF AI Focus AF Servo AF	Movie Servo AF		
	Manual focus (MF)	Supported	Supported		
Whole Area AF coverage		AF area			
coverage		Width	Height		
	3:2 (aspect ratio)	Approx. 90%	Approx. 90%		
	1.4x (crop)*1*2	Approx. 100%	Approx. 100%		
AF area	and subject conditions. *1: AF area corresponding to a *2: When the camera set to When	F points to the edge of the screen under 1.4x crop image area. ole-area AF, or with subject detection if V			
	Spot AF 1-point AF				
	Flexible Zone AF 1         Left/right width is adjustable: 3–25           Top/bottom width is adjustable: 3–17				
	Flexible Zone AF 2	:3)-425 (25×17)			
	Flexible Zone AF 3				
	Whole area AF	Max. zones	s: 425 (25×17)		
LCD Screen					
Туре	TFT color, liquid-crystal mo	onitor (Vari-angle rotating design)	)		
Screen Size	3.0-inch (screen aspect ra • 2.9 in./7.5cm diagonal (	tio of 3:2) 2.4 in./6.2cm width, 1.6 in.4.2cm	height)		
Dot Count	Approx. 1,040,000 dots				
Angle of View	Approx. 170° vertically and	d horizontally			
Coverage	Approx. 100% vertically and horizontally (at L image size and an aspect ratio of 3:2)				
Brightness Control	Manually adjustable in a ra	nge of 1–5			
Opening angle	Approx. 0-175°				
Rotation angle Forward	Approx. 0-90°				
Rotation angle Backward	Approx. 0-180°				
Touch-screen					
Detection method	Capacitive sensing				

Touch-screen operations	AE point coloction	Supported		
•	AF point selection Touch AF	Supported None		
	Touch shutter		e (single shot operation only)	
	Menu setting touch control	Supported		
	Quick Control touch control		Q icon on LCD screen)	
	UI magnification	Enable / Disable *Double-tap wi	,	
	Touch Control	Touch Control Enable / Disable		
	Volume: Touch sounds	Volume: 0 (silen		
Interface Languages	Swedish, Spanish, Greek, Rust	sian, Polish, Czech, Hung	e, Finnish, Italian, Ukrainian, Norwegian, arian, Vietnamese, Hindi, Romanian, Turkish, rean, Malay, Indonesian, Persian/Farsi, Hebrew,	
Exposure Control				
Metering Mode	Evaluative metering 384-zone (24×16) metering using the image sensor • Spot (3.1% at center), Partial and Center-weighted also possible for still images			
ISO Speed in Still Photo Shooting	ISO 100 – 32000, in 1/3 or 1/2-step increments — manually set by user Auto ISO: 100 – 6400; Max. auto ISO can be user-set up to ISO 32000			
ISO Speed in Movie	Manual or Automatic ISO Spee	d Settings		
Recording			ISO Speed	
	Normal ISO Speed	Full HD	ISO 100-12800 (in 1/3-stop increments)	
	-	4K	ISO 125–12800 (in 1/3-stop increments)	
	* Video ISO expansion: up to 1	6000, 20000, or 25600 eq	uivalent	
Shutter				
Туре	Electronic 1st-curtain shutter (s	till images only); Electron	c shutter (Shutter Mode is user-selectable)	
Still Photo Shooting Shutter Speeds	Electronic 1st-curtain shutter: 1/2000–30 sec., plus Bulb (in 1/3-stop increments) Electronic shutter: 1/16000th–30 sec., plus Bulb (in 1/3-stop increments) (1/16000 only in M or Tv mode			
Movie Recording Shutter Speeds	1/8000–1/25 sec. * Varies by movie recording mo	ode and frame rate. Manu	al exposure movies: 1/4000–1/8 sec.	
Image Stabilization (I	S mode)			
Movie Digital IS	<ul> <li>Three forms of video Image Stabilization</li> <li>Optical IS (in the lens; controlled in red Shooting Menu via IS Mode on-off)</li> <li>Movie Digital IS (electronic stabilization of image, on CMOS sensor; separate Menu on-off)</li> <li>Subject Tracking IS available (separate Menu on-off; concentrates IS at location of detected subject</li> </ul>			
Movie Auto Level			al IS roll correction to maintain level view	
Not possible if any of the following are active: • Cannot be combined with Movie Digital IS • Time-lapse recording • Smooth skin movie mode • 4K Crop recording				

Item		Still Photos	Movies
Display conc	litions	JPEG / HEIF / RAW / C-RAW / Dual Pixel RAW images	MP4 Movies <sup>*1</sup>
Image review (automatic, a recording)		Review duration: Off / 2 sec. / 4 sec. / 8 sec. / Hold * Tapping the screen or pressing the INFO or erase button during quick review display temporarily activates the same operation as [Review duration]: [Hold].	
Single-image	display	Yes <sup>*2</sup>	Yes
View from la	st seen	Yes	Yes
Shooting info display	ormation	display No information display / Basic information disp	lay / Detailed shooting information
Index display	/	4 / 9 / 36 / 100-imag	ge index
AF point dis	olay		
Highlight ale	rt	Yes	Yes
Histogram di	splay	[Brightness/RGB] settings can be set in the Pla	ayback information display settings.
Playback gri	b	Off / 3×3 / 6×4 / 3×3 + diagonal lines	
Movie play c	ount		Rec time / Time code
Magnified vie	èw.	1.5×–10× (15 levels) * 1.0×–10× (16 levels) when displaying detailed shooting info	
Magnificatio	า		
Rotate image	)	Rotate stills (manually: $90^{\circ} \rightarrow 270^{\circ} \rightarrow 0^{\circ}$ ) Auto rotate	Change movie rotation informa
Image jump (jump displa		1 image / 10 images / Specified no. (1–100 images) / I /Movies / Still photos / Protected image	
Set image se conditions	arch	Search condition Rating / Date / Folder / Protection / Typ	
Rating		OFF / ★ to ★ ★ ★ Select images / Select range / All images in folder	
Protect imag	es	Select images / Select range / All images in folder / Ur card / Unprotect all images on card / All found i	
Erase image	5	Select and erase images / Select range / All images in f	older / All images on card / All found in
Slide show		Display time: 1 sec. / 2 sec. / 3 sec. / 5 sec. / 10 sec. / Repeat: Enable / Disable Transition effect: Off / Slide in 1 / Slide in 2 / Fade 1 /	
*2: By pressing the	erase button d	cameras may not be played back, even if they have the same file extensuring playback of images from continuous shooting, is (a continuous scene) at once.	sions as used by this camera.
ontrol Funct	ion		
		can be accessed by pressing the Q or SET button durir ss to various commands, using camera's touch-screen ir	
zation			
<ul><li>Set in orar</li><li>Control dia</li></ul>	nge-colored al (rear of ca	or still-image shooting custom functions menu area amera) and Control ring (surrounding lens) customizable omize controls menu area	
Possible, in gre	en Custom	ize controls when shooting menu nizations for still images and video	

Wi-Fi <sup>®</sup>							
Supporting Standards	Equivalent to IEEE 802.11b/g	g/n Standards					
Transmission Method	DS-SS modulation (IEEE 802.11b) OFDM modulation (IEEE 802.11g/n)						
Transition Frequency (Central Frequency)	2.4 GHz band Frequency: 2412 to 2462 MHz Channels: 1 to 11 channels						
Security	Connection Method	Connection Method Authentication Encryption					
		Authentication	Encryption	Key Format and Length			
	Camera Access Point	WPA2 / WPA3-Personal	AES	ASCII 8 characters			
	Open Disable						
		Open	WEP	Hexadecimal 10 digits Hexadecimal 26 digits ASCII 5 characters ASCII 13 characters			
	Infrastructure		Disable				
		Shared key	WEP	Same as WEP above			
		WPA / WPA2 / WPA3- Personal	TKIP AES	1–127 characters			
Send Images to a Web Service	Enables uploading of still pho image.canon servers. • With auto send enabled, au • Images can be sent via ima specifications).	utomatic image transfer on ca	amera startup or dur	ing charging is supported.			
Bluetooth®							
Standards Compliance	Bluetooth Specification Vers	ion 4.2 compliant (Bluetooth	Low Energy techno	logy)			
Transmission Method	GFSK modulation						
Bluetooth Pairing	Smartphone — up to 10 devi	ices; BR-E1 remote controlle	er — 1 unit				
Video Calls / Streami	ng						
Video Calls	Available * The camera is accessible	e to software on a computer	once connected via	USB.			
Supported Protocols and Data Formats	Video • USB Video Class (UVC) s • Video compression forma • Color sampling method: Y • Bit depth: 8 bits • Resolution: Full HD • Frame rate: 30 fps only • Recording range: Full ran • Camera control from appl	t: Motion JPEG ′CC422 ge					
Supported Protocols and Data Formats (cont'd)	Audio USB Audio Class (UAC) supported Linear PCM 48 kHz / 16 bits / 2 ch External microphone (multi-function shoe input) / external microphone (external microphone IN terminal) / built-in microphone — Supported * Microphones are recognized by the camera in the priority order of: external microphone (multi-function shoe input); external microphone (external microphone.						
Streaming Services	The camera supports live structure streaming service is selected being recorded by the camer sets a live streaming destina	eaming services using wirele l on the camera, the streamir a can be live streamed. SSL	ss LAN via Camera ng destination URL is encrypted protocols	Connect. If the icon of a live acquired, and the movie are supported. The user			

External Interface						
USB Terminal	USB Type-C; Equivalent to Hi-Spee	ed USB (USB 2.0	)			
	Can connect to compatible Android	d and iOS smartp	phones			
HDMI Out Terminal	Micro HDMI terminal (Type D)					
	* Resolution switches automatically;		tput supported to comp	liant displays		
	<ul> <li>* HDR PQ output to compatible HDR</li> <li>* HDMI CEC not supported.</li> </ul>	IVs supported				
Microphone terminal	3.5mm diameter stereo mini jack (3-p	pin)				
Headphone terminal	Provided (3.5mm stereo, 3-pin mini-ja	ick)				
Multi-function shoe	Provided; compatible with most Cano			anon DM-E1D Stereo		
	Microphone, Canon Smartphone Link					
	<ul> <li>No traditional flash sync contacts non-dedicated flashes will require</li> </ul>			e —		
Power Source						
Battery	Canon LP-E17 battery pack (uses Ca	non LC-E17 batte	ery charger)			
Battery Information	Power supply	Type Indicated by a battery check mark. 4 levels				
	Remaining capacity					
	Number of shots	Not Supported				
	Recharge performance	3	Levels			
Battery authentication	Supported					
	* Unauthenticated batteries can also be ι	used but safety is no	at ensured			
USB charging	Supported					
COD onarging						
Dimensions and Weig	ght					
Dimensions (W x H x D)	Approx. 4.7 × 2.7 × 2.1 in. / 118.3 × 68	3.0 × 52.5 mm				
Weight	Body (including card)		Approx. 15.0 oz.	Approx. 426 g		
* Does not include shoe cover or windscreen.						
Operating Environme	ent					
Working Temperature Range	32–104°F / 0–40°C					
Working Humidity Range	10%–90% relative humidity					